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(FILE 'HOME' ENTERED AT 16:22:02 ON 01 AUG 2001)

FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH' ENTERED AT 16:22:17 ON 01 AUG 2001

L1 16857 S (DECREAS? OR REDUC? OR INHIBIT?)(7A)METASTASIS
L2 480302 S PHOSPHOROTHIOATE OR METABOLITE OR AMINOALKYLPHOSPHOROTHIATE
L3 3078 S WR(W)(2721 OR 1065 OR 538 OR 77913 OR 33278 OR 3689 OR 2822
O
L4 482910 S L2 OR L3
L5 218 S L1 AND L4
L6 126 DUP REM L5 (92 DUPLICATES REMOVED)
L7 0 S SUBCYTOPROTECTIVE
L8 61 S ANIMAL AND L6
L9 86 S (ANIMAL OR MOUSE OR MICE) AND L6
L10 30637 S (MATRIX(W)METALLOPROTEINASE) OR MMP-2 OR MMP-9 OR MNSOD
L11 6 S L6 AND L10
L12 6 DUP REM L11 (0 DUPLICATES REMOVED)

=> d au ti so ab 1-6 l12

L12 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2001 ACS
IN Grdina, David J.; Milas, Luka
TI **Phosphorothioates** and **phosphorothioate metabolites** for protection against tumor metastasis formation
SO PCT Int. Appl., 57 pp.
CODEN: PIXXD2
AB Methods and pharmaceuticals are provided for **inhibiting** or preventing **metastasis** formation in animals, including humans, having primary tumors, through the administration of **phosphorothioates** including their thiol and disulfide **metabolites**. These compds. stimulate angiostatin levels, inhibit **matrix metalloproteinases**, and stimulate manganese superoxide dismutase. **Phosphorothioates**, e.g. amifostine, can be administered as a combination therapy with traditional cancer therapies, including chemotherapy, radiotherapy, surgery, immunotherapy, hormone therapy, and gene therapy. **Inhibition** or prevention of **metastasis** by **phosphorothioates** is independent of tumor type, including adenocarcinomas and sarcomas.

L12 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2001 ACS
AU Kim, M.-S.; Son, M.-W.; Kim, W.-B.; In Park, Y.; Moon, A.
TI Apicidin, an inhibitor of histone deacetylase, prevents H-ras-induced invasive phenotype
SO Cancer Lett. (Shannon, Irel.) (2000), 157(1), 23-30
CODEN: CALEDQ; ISSN: 0304-3835
AB Cancer metastasis represents the most important cause of cancer death and agents that may inhibit tumor cell invasion have been extensively pursued.
In the present study, we have examd. the anti-invasive effect of apicidin [cyclo(N-O-methyl-l-tryptophanyl-l-isoleucinyl-d-pipecolinyl-l-2-amino-8-oxodecanoyl)], a fungal **metabolite** that was identified as an antiprotozoal agent known to inhibit parasite histone deacetylase (HDAC). We show that apicidin significantly inhibits H-ras-induced invasive phenotype of MCF10A human breast epithelial cells in parallel with a specific downregulation of **matrix metalloproteinase** (**MMP**)-**2**, but not **MMP-9**. We also show

that apicidin induces a morphol. reversal and growth inhibition of H-ras MCF10A cells similar to that induced by other HDAC inhibitors. Taken in conjunction with the fact that uncontrolled ras activation is probably the most common genetic defect in human cancer cells, our data showing the anti-invasive and detransforming activities of apicidin in H-ras-transformed MCF10A cells may suggest a potential use of HDAC inhibitors for treatment of cancer.

L12 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2001 ACS
AU Wang, Fang; Nohara, Keiko; Olivera, Ana; Thompson, Erik W.; Spiegel, Sarah
TI Involvement of Focal Adhesion Kinase in Inhibition of Motility of Human Breast Cancer Cells by Sphingosine 1-Phosphate
SO Exp. Cell Res. (1999), 247(1), 17-28
CODEN: ECREAL; ISSN: 0014-4827
AB Sphingosine 1-phosphate (SPP), a bioactive sphingolipid **metabolite**, inhibits chemoinvasiveness of the aggressive, estrogen-independent MDA-MB-231 human breast cancer cell line. As in many other cell types, SPP stimulated proliferation of MDA-MB-231 cells, albeit to a lesser extent. Treatment of MDA-MB-231 cells with SPP had no significant effect on their adhesiveness to Matrigel, and only high concns. of SPP partially inhibited **matrix metalloproteinase**-2 activation induced by Con A. However, SPP at a concn. that strongly inhibited invasiveness also markedly reduced chemotactic motility. To investigate the mol. mechanisms by which SPP interferes with cell motility, we examd. tyrosine phosphorylation of focal adhesion kinase (FAK) and paxillin, which are important for organization of focal adhesions and cell motility. SPP rapidly increased tyrosine phosphorylation of FAK and paxillin and of the paxillin-assocd. protein Crk. Overexpression of FAK and kinase-defective FAK in MDA-MB-231 cells resulted in a slight increase in motility without affecting the inhibitory effect of SPP, whereas expression of FAK with a mutation of the major autophosphorylation site (F397) abolished the inhibitory effect of SPP on cell motility. In contrast, the phosphoinositide 3'-kinase inhibitor, wortmannin, inhibited chemotactic motility in both vector and FAK-F397-transfected cells. Our results suggest that autophosphorylation of FAK on Y397 may play an important role in SPP signaling leading to decreased cell motility. (c) 1999 Academic Press.

L12 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2001 ACS
IN Golub, Lorne M.; McNamara, Thomas F.; Ramamurthy, Nungavaram S.; Lee, Hsi-Ming; Simon, Sanford; Lokeshwar, Balakrishna L.; Selzer, Marie G.; Block, Normal L.
TI Method of inhibiting cancer growth using tetracycline compounds
SO PCT Int. Appl., 73 pp.
CODEN: PIXXD2
AB A method is provided for inhibiting cancer growth by **inhibiting** cellular proliferation, invasiveness, or **metastasis**, or by inducing cytotoxicity against cancer in mammals. The method employs 6-demethyl-6-deoxy-4-de(dimethylamino)tetracycline (CMT-3) and other functionally related chem. modified, preferably non-antibacterial, tetracycline compds. to inhibit cancer growth. The method is particularly effective to **inhibit** the establishment, growth, and **metastasis** of solid tumors, such as tumors derived from colon cancer cells, breast cancer cells, melanoma cells, prostatic carcinoma cells, or lung cancer cells.

L12 ANSWER 5 OF 6 MEDLINE
AU Hasegawa S; Koshikawa N; Momiyama N; Moriyama K; Ichikawa Y; Ishikawa T; Mitsuhashi M; Shimada H; Miyazaki K
TI Matrilysin-specific antisense oligonucleotide **inhibits** liver **metastasis** of human colon cancer cells in a nude mouse model.
SO INTERNATIONAL JOURNAL OF CANCER, (1998 Jun 10) 76 (6) 812-6.
Journal code: GQU; 0042124. ISSN: 0020-7136.
AB Human colon cancer frequently develops liver metastasis. Matrilysin (MMP-7), the smallest member of the **matrix metalloproteinase** (MMP) family, is commonly produced by human colon carcinoma cells and has been suggested to be involved in the progression and metastasis of this type of cancer. In the present study, we tested the effect of a matrilysin-specific antisense **phosphorothioate** oligonucleotide on liver metastasis of the human colon carcinoma cell line WiDr in nude mice. In culture, the antisense oligonucleotide moderately inhibited the secretion of matrilysin by WiDr cells. Injection of WiDr cells into the spleen of nude mice produced many metastatic tumor nodules in the liver. When the antisense oligonucleotide was injected daily into the mice for 11 days, the formation of the metastatic tumor nodules was strongly inhibited in a dose-dependent manner. An **inhibition** of liver **metastasis** of over 70% was obtained at a dose of 120 micrograms of the oligonucleotide per mouse.
The antisense oligonucleotide did not inhibit tumor growth in spleen and in liver. A scrambled control oligonucleotide had no effect on liver metastasis of WiDr cells. Our results demonstrate an important role of matrilysin in liver metastasis of human colon cancer and the therapeutic potential of matrilysin antisense oligonucleotides for the prevention of metastasis.

L12 ANSWER 6 OF 6 MEDLINE
AU Reich R; Martin G R
TI Identification of arachidonic acid pathways required for the invasive and metastatic activity of malignant tumor cells.
SO PROSTAGLANDINS, (1996 Jan) 51 (1) 1-17.
Journal code: Q76; 0320271. ISSN: 0090-6980.
AB Metastasis is a complex process, almost a cascade, involving multiple steps and activities. However, an important factor is that malignant cells are able to penetrate through the multiple basement membrane barriers surrounding tissues, blood vessels, nerves and muscle that would otherwise block their dissemination. Penetration of malignant tumor cells through basement membrane is an active process requiring proteolysis. We report here that inhibitors of both the cyclooxygenase and lipoxygenase pathways of arachidonic acid metabolism convert mouse melanoma and human fibrosarcoma cells to a non invasive state by reducing the production of **MMP-2**, an enzyme required for the degradation of basement membranes. Specific **metabolites** of each pathway, i.e. PGF2 alpha and 5-HPETE, are able to transcend the block and restore collagenase production, invasiveness in vitro and metastatic activity in vivo. These studies indicate a key role for arachidonic acid **metabolites** in **metastasis** and suggest novel therapeutic approaches for **inhibiting** the spread of cancer.

=> d bib 1 4 l12

L12 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2001 ACS
AN 2000:688056 CAPLUS
DN 133:247270
TI **Phosphorothioates** and **phosphorothioate metabolites** for protection against tumor metastasis formation
IN Grdina, David J.; Milas, Luka
PA Arch Development Corp., USA; Board of Regents, the University of Texas System
SO PCT Int. Appl., 57 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000056299	A2	20000928	WO 2000-US6653	20000314
	WO 2000056299	A3	20010118		

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRAI	US 1999-125605	P	19990319
	US 2000-523886	A1	20000313

L12 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2001 ACS
AN 1998:509063 CAPLUS
DN 129:144850
TI Method of inhibiting cancer growth using tetracycline compounds
IN Golub, Lorne M.; McNamara, Thomas F.; Ramamurthy, Nungavaram S.; Lee, Hsi-Ming; Simon, Sanford; Lokeshwar, Balakrishna L.; Selzer, Marie G.; Block, Normal L.
PA The Research Foundation of State University of New York, USA; University of Miami
SO PCT Int. Appl., 73 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9831224	A1	19980723	WO 1998-US332	19980115

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG

	US 5837696	A	19981117	US 1997-783655	19970115
	AU 9859104	A1	19980807	AU 1998-59104	19980115
	AU 729886	B2	20010215		
	EP 971585	A1	20000119	EP 1998-902437	19980115

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,

	IE, SI, LT, LV, FI, RO				
	JP 2001508794	T2	20010703	JP 1998-534434	19980115
PRAI	US 1997-783655	A	19970115		
	WO 1998-US332	W	19980115		

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L9 ANSWER 20 OF 86 MEDLINE
AU Onoda J M; Kantak S S; Piechocki M P; Awad W; Chea R; Liu B; Honn K V
TI Inhibition of radiation-enhanced expression of integrin and metastatic potential in B16 melanoma cells by a lipoxygenase inhibitor.
SO RADIATION RESEARCH, (1994 Dec) 140 (3) 410-8.
Journal code: QMP; 0401245. ISSN: 0033-7587.

L9 ANSWER 21 OF 86 MEDLINE
AU Miele M E; Bennett C F; Miller B E; Welch D R
TI Enhanced metastatic ability of TNF-alpha-treated malignant melanoma cells is reduced by intercellular adhesion molecule-1 (ICAM-1, CD54) antisense oligonucleotides.
SO EXPERIMENTAL CELL RESEARCH, (1994 Sep) 214 (1) 231-41.
Journal code: EPB; 0373226. ISSN: 0014-4827.

L9 ANSWER 22 OF 86 MEDLINE
AU Pulverer G; Buss G; Ko H L; Beuth J
TI Propionibacterium acnes-**metabolites inhibit** experimental lung **metastasis** of murine sarcoma L-1 in BALB/c-**mice**.
SO ZENTRALBLATT FUR BAKTERIOLOGIE, (1992 Oct) 277 (3) 364-70.
Journal code: BD7; 9203851. ISSN: 0934-8840.

L9 ANSWER 23 OF 86 MEDLINE
AU Fontan E; Saklani H; Fauve R M
TI Macrophage-induced cytotoxicity and anti-metastatic activity of a 43-kDa human urinary protein against the Lewis tumor.
SO INTERNATIONAL JOURNAL OF CANCER, (1993 Jan 2) 53 (1) 131-6.
Journal code: GQU; 0042124. ISSN: 0020-7136.

L9 ANSWER 24 OF 86 MEDLINE
AU Schantz P M; Brandt F H; Dickinson C M; Allen C R; Roberts J M; Eberhard M
L
TI Effects of albendazole on Echinococcus multilocularis infection in the Mongolian jird.
SO JOURNAL OF INFECTIOUS DISEASES, (1990 Dec) 162 (6) 1403-7.
Journal code: IH3; 0413675. ISSN: 0022-1899.

L9 ANSWER 25 OF 86 MEDLINE
AU Reich R; Royce L; Martin G R
TI Eicosapentaenoic acid reduces the invasive and metastatic activities of malignant tumor cells.
SO BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (1989 Apr 28) 160 (2)
559-64.
Journal code: 9Y8; 0372516. ISSN: 0006-291X.

L9 ANSWER 26 OF 86 MEDLINE
AU Hubbard N E; Chapkin R S; Erickson K L
TI **Inhibition** of growth and linoleate-enhanced **metastasis** of a transplantable **mouse** mammary tumor by indomethacin.
SO CANCER LETTERS, (1988 Dec 1) 43 (1-2) 111-20.
Journal code: CMX; 7600053. ISSN: 0304-3835.

L9 ANSWER 27 OF 86 MEDLINE

AU Nardone P A; Slotman G J; Vezeridis M P
TI Ketoconazole: a thromboxane synthetase and 5-lipoxygenase inhibitor with antimetastatic activity in B16-F10 melanoma.
SO JOURNAL OF SURGICAL RESEARCH, (1988 Apr) 44 (4) 425-9.
Journal code: K7B; 0376340. ISSN: 0022-4804.

L9 ANSWER 28 OF 86 MEDLINE
AU van Blitterswijk W J; van der Bend R L; Kramer I M; Verhoeven A J; Hilkmann H; de Widt J
TI A **metabolite** of an antineoplastic ether phospholipid may inhibit transmembrane signalling via protein kinase C.
SO LIPIDS, (1987 Nov) 22 (11) 842-6.
Journal code: L73; 0060450. ISSN: 0024-4201.

L9 ANSWER 29 OF 86 MEDLINE
AU McGiff J C
TI Arachidonic acid metabolism.
SO PREVENTIVE MEDICINE, (1987 Jul) 16 (4) 503-9. Ref: 25
Journal code: PM4; 0322116. ISSN: 0091-7435.

L9 ANSWER 30 OF 86 MEDLINE
AU Werner E J; Walenga R W; Dubowy R L; Boone S; Stuart M J
TI Inhibition of human malignant neuroblastoma cell DNA synthesis by lipoxygenase **metabolites** of arachidonic acid.
SO CANCER RESEARCH, (1985 Feb) 45 (2) 561-3.
Journal code: CNF; 2984705R. ISSN: 0008-5472.

L9 ANSWER 31 OF 86 MEDLINE
AU Milas L; McBride W H; Hunter N; Ito H
TI Protection by S-2-(3-aminopropylamino)ethylphosphorothioic acid against radiation- and cyclophosphamide-induced attenuation in antitumor resistance.
SO CANCER RESEARCH, (1984 Jun) 44 (6) 2382-6.
Journal code: CNF; 2984705R. ISSN: 0008-5472.

L9 ANSWER 32 OF 86 MEDLINE
AU Hori K; Tsuruo T; Naganuma K; Tsukagoshi S; Sakurai Y
TI Antitumor effects and pharmacology of orally administered N4-palmitoyl-1-beta-D-arabinofuranosylcytosine in **mice**.
SO CANCER RESEARCH, (1984 Jan) 44 (1) 172-7.
Journal code: CNF; 2984705R. ISSN: 0008-5472.

L9 ANSWER 33 OF 86 MEDLINE
AU Milas L; Ito H; Hunter N
TI Effect of tumor size on S-2-(3-aminopropylamino)ethylphosphorothioic acid and misonidazole alteration of tumor response to cyclophosphamide.
SO CANCER RESEARCH, (1983 Jul) 43 (7) 3050-6.
Journal code: CNF; 2984705R. ISSN: 0008-5472.

L9 ANSWER 34 OF 86 MEDLINE
AU Sell S; Becker F F; Leffert H L; Watabe L
TI Expression of an oncodevelopmental gene product (alpha-fetoprotein) during
fetal development and adult oncogenesis.
SO CANCER RESEARCH, (1976 Nov) 36 (11 Pt. 2) 4239-49.
Journal code: CNF; 2984705R. ISSN: 0008-5472.

L9 ANSWER 35 OF 86 CAPLUS COPYRIGHT 2001 ACS
IN Geisslinger, Gerd; Kroemer, Heyo K.; Sperker, Bernhard

TI Use of verapamil and verapamil derivatives for producing medicaments inhibiting .beta.-glucuronidase in human tissue
SO PCT Int. Appl., 26 pp.
CODEN: PIXXD2

L9 ANSWER 36 OF 86 CAPLUS COPYRIGHT 2001 ACS
IN Grdina, David J.; Milas, Luka
TI **Phosphorothioates** and **phosphorothioate metabolites** for protection against tumor metastasis formation
SO PCT Int. Appl., 57 pp.
CODEN: PIXXD2

L9 ANSWER 37 OF 86 CAPLUS COPYRIGHT 2001 ACS
AU Suda, Kazuhito; Murakami, Koji; Murata, Jun; Hasegawa, Hideo; Saiki, Ikuo
TI An intestinal bacterial **metabolite** (M1) of ginseng protopanaxadiol saponins inhibits tumor-induced neovascularization
SO Wakan Iyakugaku Zasshi (2000), 17(4), 144-150
CODEN: WIZAEL; ISSN: 1340-6302

L9 ANSWER 38 OF 86 CAPLUS COPYRIGHT 2001 ACS
IN Terada, Masaaki; Ochitani, Takahiro; Asano, Koji; Takahama, Yasushi; Sakamoto, Hiromi; Sugimura, Takashi
TI Antisense oligonucleotides for inhibition of human HST-1 (FGF-4) expression
SO Jpn. Kokai Tokkyo Koho, 12 pp.
CODEN: JKXXAF

L9 ANSWER 39 OF 86 CAPLUS COPYRIGHT 2001 ACS
AU Kim, M.-S.; Son, M.-W.; Kim, W.-B.; In Park, Y.; Moon, A.
TI Apicidin, an inhibitor of histone deacetylase, prevents H-ras-induced invasive phenotype
SO Cancer Lett. (Shannon, Irel.) (2000), 157(1), 23-30
CODEN: CALEDQ; ISSN: 0304-3835

L9 ANSWER 40 OF 86 CAPLUS COPYRIGHT 2001 ACS
IN Uhlmann, Eugen; Peyman, Anuschirwan; Bitonti, Alan J.; Woessner, Richard D.
TI Antisense oligonucleotides for inhibition of vascular endothelial growth factor gene expression
SO Eur. Pat. Appl., 38 pp.
CODEN: EPXXDW

L9 ANSWER 41 OF 86 CAPLUS COPYRIGHT 2001 ACS
IN Cowsert, Lex M.
TI Antisense modulation of G-alpha-13 expression with therapeutic applications
SO U.S., 38 pp.
CODEN: USXXAM

L9 ANSWER 42 OF 86 CAPLUS COPYRIGHT 2001 ACS
IN Wright, Jim A.; Young, Aiping H.; Lee, Yoon S.
TI Neuropilin antisense oligonucleotide sequences and applications to modulate cell growth
SO PCT Int. Appl., 58 pp.
CODEN: PIXXD2

L9 ANSWER 43 OF 86 CAPLUS COPYRIGHT 2001 ACS
IN Wright, Jim A.; Young, Aiping H.; Lee, Yoon S.
TI Insulin-like growth factor ii antisense oligonucleotide sequences and

methods of using same to modulate cell growth
SO PCT Int. Appl., 72 pp.
CODEN: PIXXD2

L9 ANSWER 44 OF 86 CAPLUS COPYRIGHT 2001 ACS
IN Wright, Jim A.; Young, Aiping H.; Lee, Yoon S.
TI Antisense oligonucleotides complementary to thioredoxin or thioredoxin reductase mRNA and methods of their use to modulate tumor cell growth
SO PCT Int. Appl., 88 pp.
CODEN: PIXXD2

L9 ANSWER 45 OF 86 CAPLUS COPYRIGHT 2001 ACS
IN Bennett, C. Frank; Mirabelli, Christopher K.
TI Antisense oligonucleotides inhibiting synthesis of intercellular adhesion molecules and their use in the modulation of cell adhesion
SO U.S., 59 pp., Cont.-in-part of U.S. 5,514,788.
CODEN: USXXAM

L9 ANSWER 46 OF 86 CAPLUS COPYRIGHT 2001 ACS
IN Jarvis, Thale; Matulic-Adamic, Jasenka; Reynolds, Mark; Kisich, Kevin; Bellon, Laurent; Parry, Tom; Beigelman, Leonid; McSwiggen, James A.; Karpeisky, Alexander; Burgin, Alex; Thompson, James; Workman, Christopher T.; Beaudry, Amber; Sweedler, David
TI Enzymic ribozyme treatment of diseases or cancers related to expression of
c-raf gene
SO PCT Int. Appl., 259 pp.
CODEN: PIXXD2

L9 ANSWER 47 OF 86 CAPLUS COPYRIGHT 2001 ACS
IN Fett, James W.; Olson, Karen A.
TI Antisense inhibition and diagnostic agents of angiogenin expression and inhibiting tumors associated with angiogenesis
SO PCT Int. Appl., 72 pp.
CODEN: PIXXD2

L9 ANSWER 48 OF 86 CAPLUS COPYRIGHT 2001 ACS
IN Golub, Lorne M.; McNamara, Thomas F.; Ramamurthy, Nungavaram S.; Lee, Hsi-Ming; Simon, Sanford; Lokeshwar, Balakrishna L.; Selzer, Marie G.; Block, Normal L.
TI Method of inhibiting cancer growth using tetracycline compounds
SO PCT Int. Appl., 73 pp.
CODEN: PIXXD2

L9 ANSWER 49 OF 86 CAPLUS COPYRIGHT 2001 ACS
AU Wakabayashi, Chisato; Murakami, Koji; Hasegawa, Hideo; Murata, Jun; Saiki, Ikuo
TI An intestinal bacterial **metabolite** of ginseng protopanaxadiol saponins has the ability to induce apoptosis in tumor cells
SO Biochem. Biophys. Res. Commun. (1998), 246(3), 725-730
CODEN: BBRCA9; ISSN: 0006-291X

L9 ANSWER 50 OF 86 CAPLUS COPYRIGHT 2001 ACS
AU Wakabayashi, Chisato; Hasegawa, Hideo; Murata, Jun; Ichiyama, Masamori; Saiki, Ikuo
TI Expression of in vivo anti-metastatic effect of ginseng protopanaxatriol saponins is mediated by their intestinal bacterial **metabolites** after oral administration

SO Wakan Iyakugaku Zasshi (1997), 14(4), 288-289
CODEN: WIZAEL; ISSN: 1340-6302

L9 ANSWER 51 OF 86 CAPLUS COPYRIGHT 2001 ACS
AU Wakabayashi, Chisato; Hasegawa, Hideo; Murata, Jun; Saiki, Ikuo
TI The expression of in vivo anti-metastatic effect of ginseng protopanaxatriol saponins is mediated by their intestinal bacterial **metabolites** after oral administration
SO Wakan Iyakugaku Zasshi (1997), 14(3), 180-185
CODEN: WIZAEL; ISSN: 1340-6302

L9 ANSWER 52 OF 86 CAPLUS COPYRIGHT 2001 ACS
AU Hasegawa, Hideo; Sung, Jong-Hwan; Huh, Jae-Doo
TI Ginseng intestinal bacterial **metabolite** IH901 as a new anti-metastatic agent
SO Arch. Pharmacal Res. (1997), 20(6), 539-544
CODEN: APHRDQ; ISSN: 0253-6269

L9 ANSWER 53 OF 86 CAPLUS COPYRIGHT 2001 ACS
IN Wright, Jim A.; Young, Aiping H.
TI Oligonucleotides from the untranslated regions of housekeeping genes and their use in modulating cell growth
SO PCT Int. Appl., 65 pp.
CODEN: PIXXD2

L9 ANSWER 54 OF 86 CAPLUS COPYRIGHT 2001 ACS
IN Zupi, Gabriella
TI Human melanoma treatments and compositions using c-myc oligonucleotides
SO PCT Int. Appl., 68 pp.
CODEN: PIXXD2

L9 ANSWER 55 OF 86 CAPLUS COPYRIGHT 2001 ACS
AU Takiguchi, Soichi; Kumazawa, Eiji; Shimazoe, Takao; Tohgo, Akiko; Kono, Akira
TI Antitumor effect of DX-8951, a novel camptothecin analog, on human pancreatic tumor cells and their CPT-11-resistant variants cultured in vitro and xenografted into nude **mice**
SO Jpn. J. Cancer Res. (1997), 88(8), 760-769
CODEN: JJCREP; ISSN: 0910-5050

L9 ANSWER 56 OF 86 CAPLUS COPYRIGHT 2001 ACS
AU Mata, John E.; Joshi, Shantaram S.; Palen, Brian; Pirruccello, Samuel J.; Jackson, John D.; Elias, Nadia; Page, Todd J.; Medlin, Kristin L.; Iversen, Patrick L.
TI A hexameric **phosphorothioate** oligonucleotide telomerase inhibitor arrests growth of Burkitt's lymphoma cells in vitro and in vivo
SO Toxicol. Appl. Pharmacol. (1997), 144(1), 189-197
CODEN: TXAPA9; ISSN: 0041-008X

L9 ANSWER 57 OF 86 CAPLUS COPYRIGHT 2001 ACS
AU Mackiewicz, Andrzej; Kapcinska, Malgorzata; Laciak, Maria; Malicki, Julian; Murawa, Pawel; Nowak, Jerzy; Sibilska, Ewa; Wiznerowicz, Maciej; Breborowicz, Danuta; Lange, Andrzej; Hawley, Robert G.; Heinrich, Peter C.; Rose-John, Stefan
TI Human melanoma gene therapy: from **animal** studies to clinical trials
SO Biotechnologia (1996), (4), 42-54
CODEN: BIECEV; ISSN: 0860-7796

L9 ANSWER 58 OF 86 CAPLUS COPYRIGHT 2001 ACS
IN Iversen, Patrick L.; Mata, John Enrique
TI Synthetic oligonucleotides which mimic telomeric sequences for use as neoplasm inhibitors
SO PCT Int. Appl., 38 pp.
CODEN: PIXXD2

L9 ANSWER 59 OF 86 CAPLUS COPYRIGHT 2001 ACS
AU Torosian, Michael H.; Charland, Scott; Lappin, Jacqueline A.
TI Biochemical modulation of tumor growth, metastasis and host metabolism
SO Oncol. Rep. (1995), 2(6), 1141-5
CODEN: OCRPEW

L9 ANSWER 60 OF 86 CAPLUS COPYRIGHT 2001 ACS
AU Liu, Lei; Hudgins, W. Robert; Shack, Sonsoles; Yin, Mu Quan; Samid, Dvorit
TI Cinnamic acid: a natural product with potential use in cancer intervention
SO Int. J. Cancer (1995), 62(3), 345-50
CODEN: IJCNAW; ISSN: 0020-7136

L9 ANSWER 61 OF 86 CAPLUS COPYRIGHT 2001 ACS
AU De Flora, Silvio; Cesarone, Carmelo F.; Balansky, Roumen M.; Albini, Adriana; D'Agostini, Francesco; Bennicelli, Carlo; Bagnasco, Maria; Camoirano, Anna; Scatolini, Leonardo; et al.
TI Chemopreventive properties and mechanisms of N-acetylcysteine. The experimental background
SO J. Cell. Biochem. (1995), (Suppl. 22), 33-41
CODEN: JCEBD5; ISSN: 0730-2312

L9 ANSWER 62 OF 86 CAPLUS COPYRIGHT 2001 ACS
AU Wilhelm, Olaf; Schmitt, Manfred; Hoehl, Sandra; Senekowitsch, Reingard; Graeff, Henner
TI Antisense inhibition of urokinase reduces spread of human ovarian cancer in **mice**
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